

Title:

White Sands Space Harbor Operations

Revision:

A, 1

Revision Date:

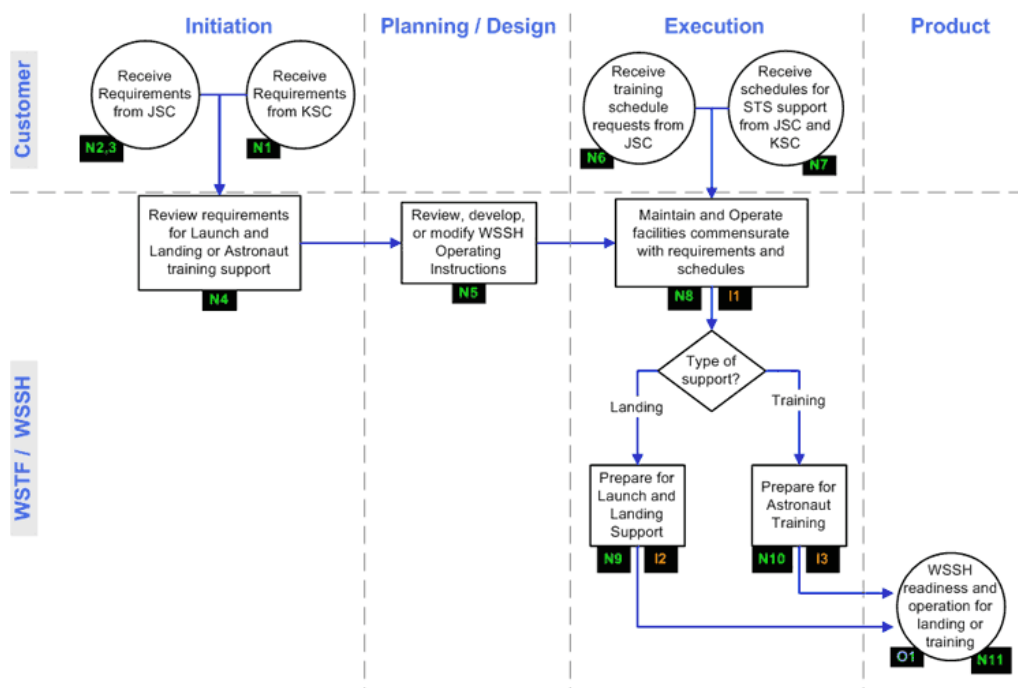
10/08/2008

Process Description/Objective:

This process describes how work requested and performed for WSSH Operations at WSTF. Objectives include (1) identification of WJIs to be used (2) performance of work by WSSH personnel

Process Steward(s):

- Robert Bob E. Mitchell
- Frank H. Offutt
- Jason E. Noble

Interfacing Processes**Input Requirements:****Output Requirements:****NOTES****Note 1****WHO:** Kennedy Space Center (KSC)**WHAT:** Through the Program Requirements Document (PRD) 20000 and NSTS 07700 provides

support requirements associated with a shuttle landing and turn around operation.

ACTION:KSC continually reviews and provides changes to the PRD 20000 and NSTS 07700

Note 2

WHO: Johnson Space Center (JSC)

WHAT:Through the PRD 20000 and NSTS 07700 provides support requirements associated with a shuttle landing and turn around operation.

ACTION:JSC continually reviews and provides changes to the PRD 20000 and NSTS 07700

Note 3

WHO:Flight Crew Operations Directorate (FCOD), JSC

WHAT:Supporting the PRD 20000 and NSTS 07700 provides FCOD the replication of KSC, Edwards Air Force Base (EDW), & Transatlantic runways to fly against in training astronauts.

ACTION:FCOD provides special requirements associated with PRD 20000 & NSTS 07700 associated with astronaut training.

Note 4

WHO: WSSH/WSTF

WHAT:WSSH/WSTF reviews requirements requested in PRD 20000 & NSTS 07700 and by FCOD

ACTION:WSSH/WSTF reviews and wilcos or non-wilcos the capability to support the requirement.

Note 5

WHO: WSSH and WSTF Organizations

WHAT:WSSH reviews, develops, or modifies WSSH Standard Operating Instructions (SOI) used in providing the requested support. In the case of PRD or NSTS 07700 changes that effect the "*White Sands Space Harbor (WSSH) Shuttle Program Support Plan (PSP)* ", WSI-24-0001, the requirement changes will be made in the document by WSSH.

ACTION:Follow *WSSH General Operations* , WJI WSSH-GEN-0100, and the responsible organization addressing the PRD requirement listed in "*White Sands Space Harbor (WSSH) Shuttle Program Support Plan (PSP)* ", WSI 24-SW-0001 will identify the support description that WSSH will insert into "*White Sands Space Harbor (WSSH) Shuttle Program Support Plan (PSP)* ", WSI-SW-0001.

Note 6

WHO: JSC/FCOD

WHAT:Provides desired schedule for White Sands Missile Range (WSMR) exclusive use within designated WSMR air space for WSSH.

ACTION:Schedule request submitted to WSSH

Note 7

WHO:JSC & KSC Shuttle Program

WHAT:Provide schedule of support needed as requested per requirements & configurations through the NSTS 07700 & PRD 20000 documentation. JSC provides WSSH NASA and EASI Managers STS schedule and KSC communicates on landing operations support schedules

ACTION:JSC provides WSSH NASA and EASI Managers STS schedule and KSC communicates on landing operations support schedules

Note 8

WHO:WSSH

WHAT:WSSH designs (as required), builds, & maintains runways as described in NSTS 07700 & PRD 20000

ACTION:

WSSH provides support as presented in

- *WSSH General Operations* , WJI WSSH-GEN-0100, SOI 101, 103, & 104,
- *WSSH Shuttle Launch & Landing Support* , WJI WSSH- STS-0400, SOI 405,
- *WSSH Safety Procedures* , WJI WSSH-SAF-0500, All SOI's (501 thru 503),
- *WSSH Preventive Maintenance Procedures* , WJI WSSH-PMI-060, All SOI's (601 thru 664)

Note 9

WHO:WSSH

WHAT:Prepares for launch and landing support

ACTION:WSSH provides support as presented in

- *Operations of WSSH Landing Aids*, WJI WSSH-STA-0300, All SOIs (301 thru 303),
- *WSSH Program Support Plan*, WSI 24-SW-0001,
- *WSSH Shuttle Launch & Landing Support*, WJI WSSH-STS-0400, SOI 401,
- *WSSH Implementation Plan Admin Office* , WJI WSSH-STS-0401

Note 10

WHO:WSSH

WHAT:Prepare for Astronaut training WSSH provides support as presented in WSSH Tower Operations, WJI WSSH-TWR-0200, SOI 201 and 202, Operations of WSSH Landing Aids, WJI WSSH-STA-0300, All SOIs (301 thru 303)

ACTION:WSSH provides support as presented in

- *WSSH Tower Operations*, WJI WSSH-TWR-0200, SOI 201 and 202,
- *Operations of WSSH Landing Aids* , WJI WSSH-STA-0300, All SOI's (301 thru 303)

Note 11

WHO: WSSH**WHAT:** Readiness and operation for Landing or training**ACTION:** WSSH provides support as presented in

- *WSSH Tower Operations*, WJI WSSH-TWR-0200, SOI 203, 204, & 205,
 - *Operations of WSSH Landing Aids*, WJI WSSH-STA-0300, All SOI's (301 thru 303),
 - *WSSH Shuttle Launch & Landing Support* , WJI WSSH-STS-0400, SOI 402, 403, & 404,
 - *WSSH Program Support Plan* , WSI 24-SW-0001
-

RECORDS

IN PROCESS METRICS**In Process Metric 1**

% WSSH work tickets completed on or before due dates provided by WSSH EASI.

In Process Metric 2

Discrepancy Reports (DR) issued indicating shuttle support capabilities issued by WSSH EASI at time of failure and subsequently signed by WSSH NASA Manager.

In Process Metric 3

DRs issued indicating STA support capabilities issued by WSSH EASI at time of failure and subsequently signed by WSSH NASA Manager.

OUTPUT METRICS**OutPut Metric 1**

Bi-monthly or as requested by the NASA WSSH Manager EASI report provided to WSSH NASA Manager providing statistics for % work tickets completed on or before due date and % STS & STA missions fully supported as identified in DRs issued and impacts.

MSM DOCUMENTS

General Operating Instructions (WJI-WSSH-GEN-0100)

Safety (WJI-WSSH-SAF-0500)

Preventive Maintenance Instructions (WJI-WSSH-PMI-0600)

Landing Aids (WJI-WSSH-STA-0300)

WSSH Shuttle Launch And Landing Support Instructions (WJI-WSSH-STS-0400)

Logistics, Performance Measurement, Procurement WSSH Implementation Plan (WJI-WSSH-STS-0401)

White Sands Space Harbor (WSSH) Shuttle Program Support Plan (PSP) (WSI-24-SW-0001)

REFERENCES

NSTS 07700

Program Requirements Document (PRD)